इंटरनेट मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”
Mazdoor Kisan Shakti Sangathan
“The Right to Information, The Right to Live”

“पुराने को छोड नये के तरफ”
Jawaharlal Nehru
“Step Out From the Old to the New”

IS 9874 (1981): Specification for Arm and Bed Assembly for Sewing Machines for Household Purposes [MED 29: Sewing Machines]

“ज्ञान से एक नये भारत का निर्माण”
Satyanarayan Gangaram Pitroda
“Invent a New India Using Knowledge”

Act Number 22 of 2005
The Indian Parliament
RIGHT TO INFORMATION

Made Available By
Public.Resource.Org

“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”
Bhartṛhari—Nītiśatakam
“Knowledge is such a treasure which cannot be stolen”

BLANK PAGE

BRUTUM FULMEN

IGNORANTIA JURIS NON EXCUSAT

PROTECTED BY COPYRIGHT

UDC 687-053-233-13

IS : 9874 - 1981

Indian Standard

(Reaffirmed 2002)

SPECIFICATION FOR ARM AND BED ASSEMBLY FOR SEWING MACHINES FOR HOUSEHOLD PURPOSES

Sewing Machines Sectional Committee, EDC 34; Sewing Machines Household Subcommittee, EDC 34 : 1 [Ref : Doc : EDC 34(3224)]

1. Scope — Covers the requirements for arm and bed assembly for sewing machines for household purposes.

2. Types

2.1 Type A — shall be as shown in Fig. 1.

2.2 Type B — shall be as shown in Fig. 2.

3. Material — The arm and bed shall be manufactured from grey cast iron castings conforming to Grade FG 150 of IS : 210-1978 ' Specification for grey iron castings (*third revision*) '.

Note — The diameter of test piece shall be 13 mm.

4. Dimensions and Tolerances — Shall be as given in Fig. 1 and Fig. 2.

5. Accuracy Requirements

5.1 The error in parallelism of the axis of holes for arm shaft with the axis of holes for oscillating shaft shall not exceed 0·2 mm per 100 mm in horizontal direction and 0·15 mm per 100 mm in vertical direction.

5.2 The error in parallelism of the axis of the hole for oscillating shaft with the centre line of the hole for oscillating rock shaft centre shall not exceed 0·2 mm per 100 mm in both horizontal and vertical directions.

5.3 The error in squareness of the axis of holes for arm shaft with the centre line of hole for needle bar shall not exceed 0·1 mm per 100 mm.

5.4 The eccentricity of the axis of holes for oscillating shaft with the fitting centre of shuttle race shall not exceed 0·05 mm.

5.5 The error in parallelism of the axis of holes for arm shaft with the axis of hole for stitch regulator shall not exceed 0·15 mm per 100 mm in vertical direction and 0·25 mm per 100 mm in horizontal direction.

5.6 The error in parallelism of the axis of holes for arm shaft with the seat for take-up lever hinge screw shall not exceed 0·20 mm per 100 mm.

6. Other Requirements

6.1 The arm and bed shall be securely fitted.

6.2 The screw threads shall conform to tolerance class medium of IS : 4218-1976 ' ISO metric screw threads '.

7. Workmanship and Finish — The arm and bed shall be free from defects, such as cracks, flaw and blowholes.

7.1 The surface finish for the castings shall be N12 and for machined surface shall be N11 (*see* IS : 3073-1967 Specification for assessment of surface roughness).

8. Marking — The arm and bed shall be marked with the manufacturer's name, initials and/or recognized trade-mark.

8.1 *ISI Certification Marking* — Details available with the Indian Standards Institution.

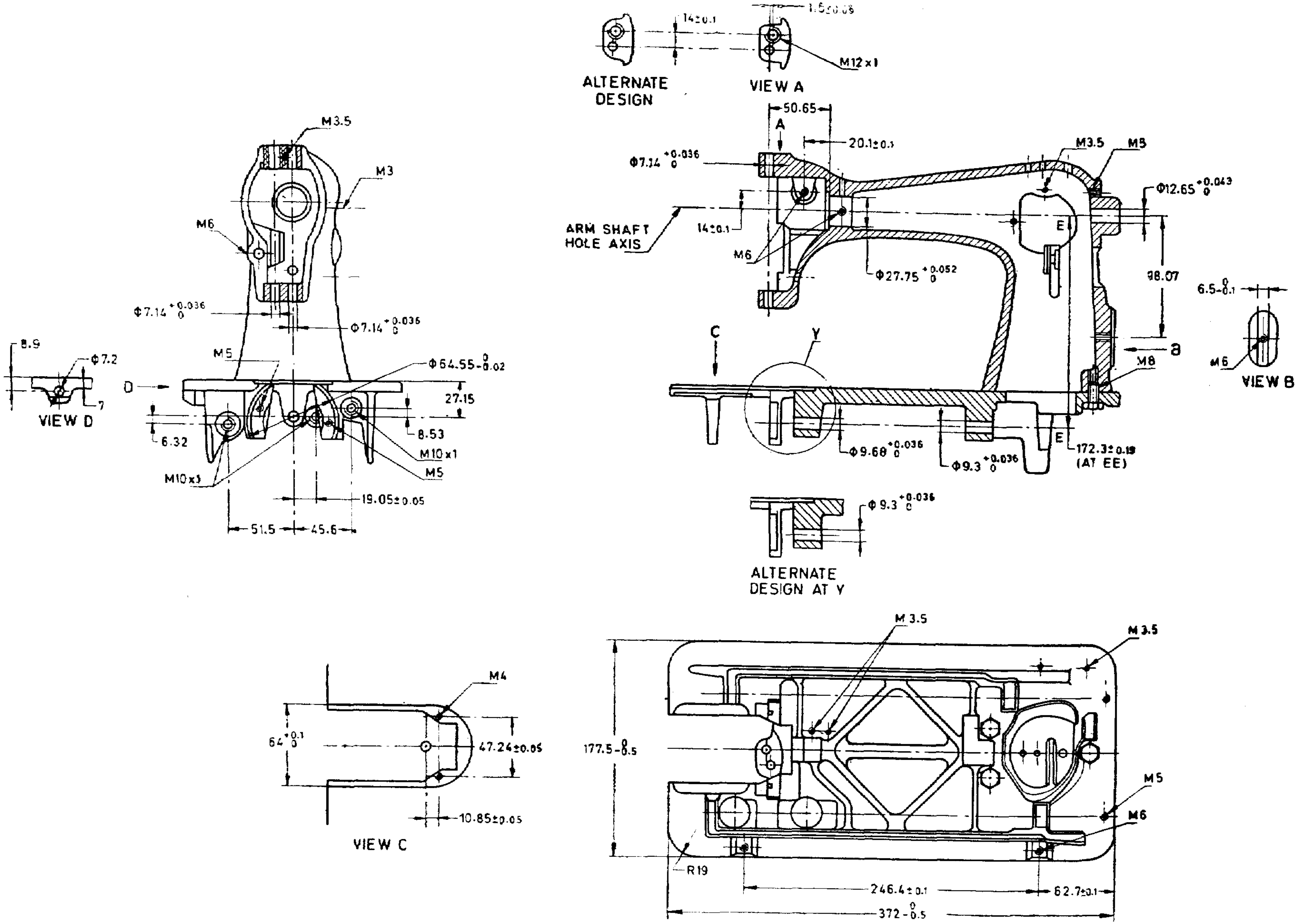
9. Packing — Each arm and bed shall be packed as agreed to between the purchaser and the supplier.

Adopted 20 July 1981

© November 1981, ISI

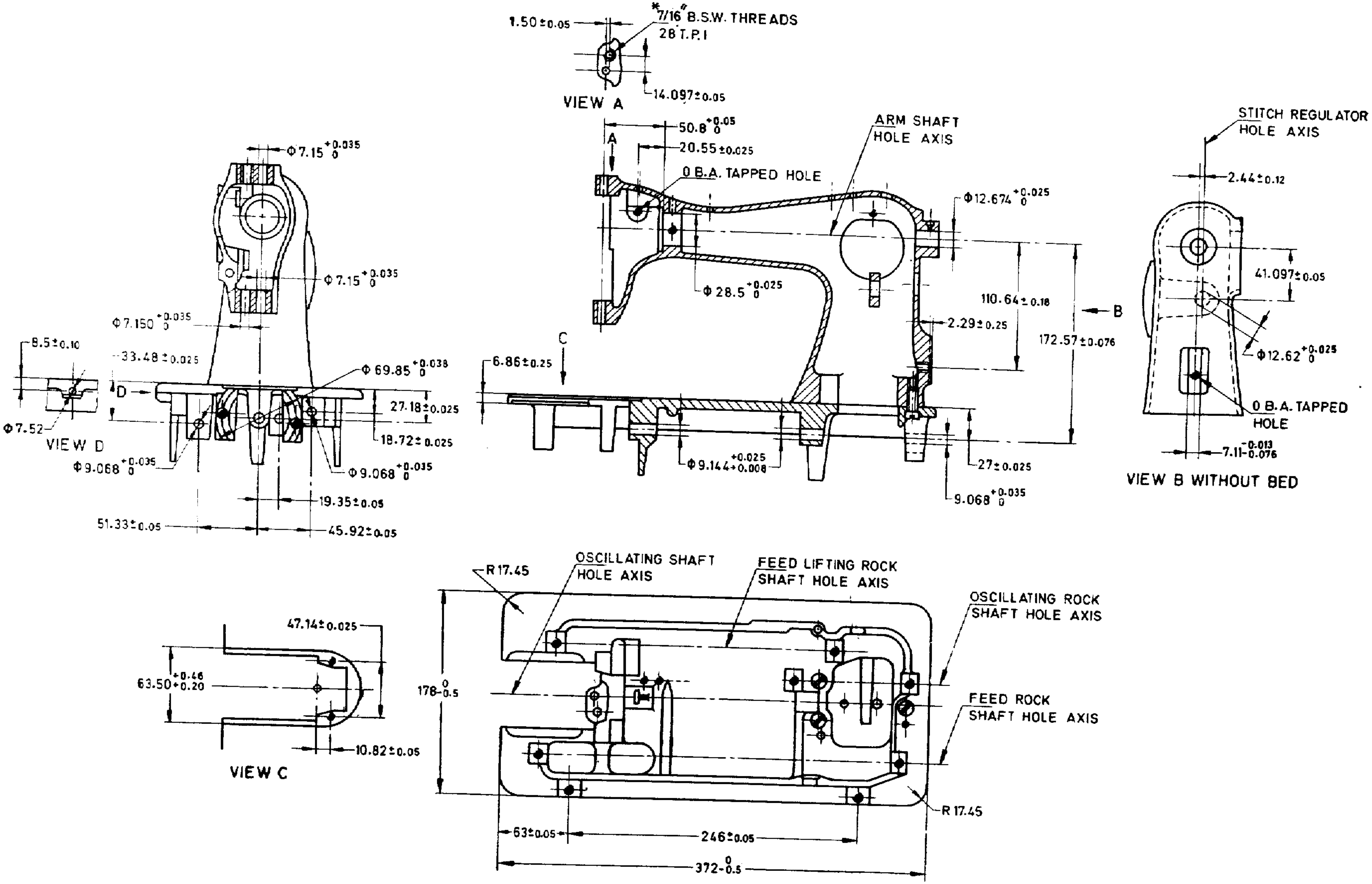
[redacted] Gr 2

INDIAN STANDARDS INSTITUTION
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002



All dimensions in millimetres.

FIG. 1 DIMENSIONS FOR ARM AND BED, TYPE A



*7/16" BSW × 28 TPI threads may also be used till the complete changeover to metric system is effective.

All dimensions in millimetres.

FIG. 2 DIMENSIONS FOR ARM AND BED, TYPE B

10. Sampling

10.1 *Lot* — In any consignment all the arm and bed assemblies for sewing machine of the same type shall constitute a lot.

10.2 The number of assemblies to be selected at random for inspection shall be as follows:

Lot Size	*Sample Size*
Up to 8	2
9 ,, 15	3
16 ,, 25	5
26 ,, 50	8
51 ,, 100	13
101 and above	20

10.3 The assemblies selected according to **10.2** shall be inspected for dimensions and tolerances, accuracy requirements and visually examined for workmanship and finish. The lot shall be considered conforming to the requirements of the standard if all the assemblies selected satisfy the relevant requirements.

EXPLANATORY NOTE

While preparing this standard assistance has been derived from JIS B 9015-1960 ' Arm bed of sewing machines for home use ', issued by Japanese Industrial Standards Committee.

Printed at Arcee Press, New Delhi, India